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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/650,134	08/29/2000	Ronald Hage	C4007(C)	9257

201 7590 10/03/2002

UNILEVER  
PATENT DEPARTMENT  
45 RIVER ROAD  
EDGEWATER, NJ 07020

EXAMINER

DELCOTTO, GREGORY R

ART UNIT	PAPER NUMBER
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1751

DATE MAILED: 10/03/2002

20

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Applicati n No.

09/650,134

Applicant(s)

HAGE ET AL.

Examiner

Gregory R. Del Cotto

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 07 July 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 2, 4-14, 16-20 and 22-24 is/are rejected.
- 7) ☒ Claim(s) 3, 15 and 21 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application):
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

1. Claims 1-24 are pending.

**Objections/Rejections Withdrawn**

2. The following objections/rejections as set forth in Paper #12 have been withdrawn:

None.

***Claim Rejections - 35 USC § 103***

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1, 2, 4-14, 16, 18-20, and 22-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO 97/38074, WO 95/34628 or WO 97/48787 for the reasons of record set forth in Paper #12.

***Response to Arguments***

Note that, the Examiner's arguments in response to Applicant's comments are substantially the same as set forth in Paper #18.

With respect to '628, Applicant states that the molecular oxygen as taught by '628 is not the same as atmospheric oxygen as recited by the instant claims and that were the reference to have meant atmospheric oxygen it would have simply stated that the catalyst would need no peroxide generating system at all. In response, note that, the Examiner still sees no distinction between the molecular oxygen and atmospheric oxygen as recited by the instant claims. The oxygen in the air is the same as molecular oxygen. Furthermore, the bleaching effect of the catalyst by using air is dependent

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upon the particular type of catalyst chosen and not the oxygen itself. The fact that the catalyst bleaches when exposed to air is a property which is inherent to the particular type of catalyst chosen. Regardless of whether oxygen is from the air or called molecular oxygen which may be sourced from the air or another source, the oxygen is the same. Furthermore, Applicant states that the bleaching system containing aldehydes as disclosed by WO 97/38074 is the same as the molecular oxygen as suggested by '628 or '787. In response, note that, while the publications have the same assignee, there is no disclosure in either '628 or '787 of the use or necessity of an aldehyde.

Additionally, even though '074 teaches the use of aldehydes, the instant claims do **not exclude** the use of aldehydes but only state that the complex catalyzes the bleaching of a substrate by atmospheric oxygen without the use of aldehydes. Thus, since '074 teaches the same bleach catalysts as recited by the instant claims, the Examiner asserts that these catalysts would have the same bleaching properties without the use of aldehydes as recited by the instant claims, even though '074 may recognize the fact that aldehydes enhance such a bleaching effect.

***Allowable Subject Matter***

Claims 3, 15 and 21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

None of the references of record, alone or in combination, teach or suggest a bleaching composition or method of bleaching wherein at least 50% of the bleaching is

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accomplished through atmospheric oxygen using the specific bleach catalyst as recited by the instant claims.

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory R. Del Cotto whose telephone number is (703) 308-2519. The examiner can normally be reached on Mon. thru Fri. from 8:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on (703) 308-4708. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

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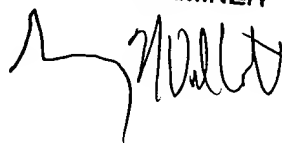
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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

GRD  
October 1, 2002

GREGORY DELCOTTO  
PRIMARY EXAMINER

A handwritten signature in black ink, appearing to read 'G. Delcotto', written over the printed name.